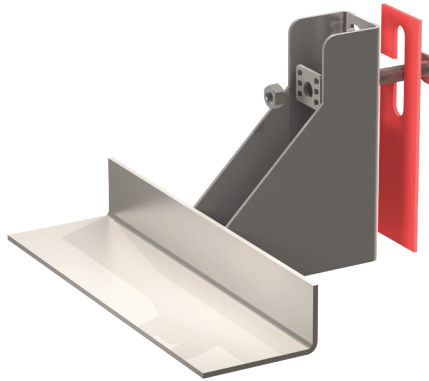


# Thermal Shim



## Product highlights

- Low thermal conductivity
- High compressive strength
- Easy installation
- Available to suit any ACS bracket



## Product summary

The ACS thermal shim is designed to reduce the effects of thermal bridging through ACS stainless steel masonry support when used with concrete or steel framing. The system consists of a 3 mm thick fibre reinforced composite shim that acts to isolate the bracket from the primary structure. It has a compressive strength comparable to that of stainless steel and has a thermal conductivity less than 0.35 W/mK a factor around 50 times less than that of stainless steel.

**Thermal conductivity**  
0.35 W/m K

**Density**  
1380 – 1700 kg/m<sup>3</sup>

## Installation and best practice

ACS Thermal Shims must be installed to ensure the bracket is fully bearing on the shim particularly at the heel of the bracket. This will ensure the strength of the system is maintained, the compressive forces at the heel of the bracket are transferred back to the structure, and that the system remains isolated therefore reducing thermal bridging.

The maximum allowable thickness of all shims should not exceed the outside diameter of the fixing. As ACS masonry support systems tend to utilise 12mm diameter fixings, this tends to be the maximum allowance. If more than 1 No. shim is required, it is important that the total number of shims is kept to a minimum to avoid creating slip planes that may allow settlement or creep under load.

